

CONNECTOR THAT OCCUPIES MINIMAL CB SURFACE

ABSTRACT OF THE DISCLOSURE

A connector (10) mounted on a circuit board (40), has an insulative frame (12) and two laterally-spaced columns (66, 68) of contacts (14), each contact formed of a bent metal strip and having an upper portion (36) for engaging a contact of a mating device and having a lower portion (38) with a termination end (48) that presses against a trace on the circuit board. Each contact lower portion includes a deflectable section (42) that extends at an acute angle (a) such as 12° from the lateral direction (L). This results in the termination ends of the lower strips, which press against circuit board traces, extending along a single longitudinally-extending line (A), so the traces on the circuit board that engage the contacts, also lie along the single line. The result is that areas on opposite sides of the line of traces, can be used to hold other traces or even circuit components.